## What Is Claimed Is:

1	1. A method of supporting a user to access a service, said method being performed
2	in a service selection gateway (SSG), said method comprising:
3	receiving in said SSG, data representing a plurality of switching points;
4	counting in said SSG, a traffic volume from or to each of said plurality of
5	switching points; and
6	sending from said SSG, an accounting record containing said traffic volume.
1	2. The method of claim 1, wherein each of said plurality of switching points
2	comprises a time at which a tariff changes to access said service.
1	3. The method of claim 2, wherein said traffic volume comprises an aggregate
2	count of data transferred.
1	4. The method of claim 2, wherein said traffic volume comprises a marginal count
2	from a previous switching point, said accounting record further comprising an aggregate
3	count.
1	5. The method of claim 4, further comprising maintaining a marginal counter and
2	an aggregate counter to count said marginal count and said aggregate count respectively.

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6. The method of claim 4, further comprising:

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2	maintaining a single counter to count said aggregate count;
3	storing said aggregate count in a variable at each of said plurality of switching
4	points; and
5	computing said marginal count at a time of generating said accounting record by
6	subtracting said variable from said aggregate counter at said time.
1	7. The method of claim 4, wherein said accounting record is sent at least once in
2	every tariff duration, wherein said tariff duration is between successive ones of said
3	plurality of switching points.
1	8. The method of claim 7, wherein said plurality of switching points are specified
2	for each day.
1	9. The method of claim 4, wherein said service is billed according to a post-paid
2	model.
1	10. The method of claim 4, wherein said traffic volume is associated with a
2	session initiated by said user.
1	11. A machine readable medium carrying one or more sequences of instructions
2	for causing a SSG to support a user to access a service, wherein execution of said one or
3	more sequences of instructions by one or more processors contained in said SSG causes

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4	said one of more processors to perform the actions of.
5	receiving in said SSG, data representing a plurality of switching points;
6	counting in said SSG, a traffic volume from or to each of said plurality of
7	switching points; and
8	sending from said SSG, an accounting record containing said traffic volume.
1	12. The machine readable medium of claim 11, wherein each of said plurality of
2	switching points comprises a time at which a tariff changes to access said service.
1	13. The machine readable medium of claim 12, wherein said traffic volume
2	comprises an aggregate count of data transferred.
1	14. The machine readable medium of claim 12, wherein said traffic volume
2	comprises a marginal count from a previous switching point, said accounting record
3	further comprising an aggregate count.
1	15. The machine readable medium of claim 14, further comprising maintaining
2	a marginal counter and an aggregate counter to count said marginal count and said
3	aggregate count respectively.
1	16. The machine readable medium of claim 14, further comprising:
2	maintaining a single counter to count said aggregate count;

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3	storing said aggregate count in a variable at each of said plurality of switching
4	points; and
5	computing said marginal count at a time of generating said accounting record by
6	subtracting said variable from said aggregate counter at said time.
1	17. The machine readable medium of claim 14, wherein said accounting record
2	is sent at least once in every tariff duration, wherein said tariff duration is between
3	successive ones of said plurality of switching points.
1	18. The machine readable medium of claim 17, wherein said plurality of switching
2	points are specified for each day of a week.
1	19. The machine readable medium of claim 14, wherein said service is billed
2	according to a post-paid model.
1	20. The machine readable medium of claim 14, wherein said traffic volume is
2	associated with a session initiated by said user.
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1	21. A service selection gateway (SSG) supporting a user to access a service, said
2	SSG comprising:
3	means for receiving data representing a plurality of switching points;
4	means for counting a traffic volume from or to each of said plurality of switching

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3	ponits, and
6	means for sending an accounting record containing said traffic volume.
1	22. The SSG of claim 21, wherein each of said plurality of switching points
2	comprises a time at which a tariff changes to access said service.
1	23. The SSG of claim 22, wherein said traffic volume comprises an aggregate
2	count of data transferred.
1	24. The SSG of claim 22, wherein said traffic volume comprises a marginal count
2	from a previous switching point, said accounting record further comprising an aggregate
3	count.
1	25. The SSG of claim 24, further comprising means for maintaining a marginal
2	counter and an aggregate counter to count said marginal count and said aggregate count
3	respectively.
1	26. The SSG of claim 24, further comprising:
2	means for maintaining a single counter to count said aggregate count;
3	means for storing said aggregate count in a variable at each of said plurality of
4	switching points; and
5	means for computing said marginal count at a time of generating said accounting

record by subtracting said variable from said aggregate counter at said time. 6 1 27. The SSG of claim 24, wherein said accounting record is sent at least once in every tariff duration, wherein said tariff duration is between successive ones of said 2 plurality of switching points. 3 28. The SSG of claim 27, wherein said plurality of switching points are specified 1 for each day. 2 29. The SSG of claim 24, wherein said service is billed according to a post-paid 1 2 model. 30. The SSG of claim 24, wherein said traffic volume is associated with a session 1 initiated by said user. 2 31. A service selection gateway (SSG) supporting a user to access a service, said 1 SSG comprising: 2 a tariff block receiving data representing a plurality of switching points; 3 a forwarding block forwarding a plurality of packets related to said user; 4 an accounting block counting a traffic volume from or to each of said plurality of 5 6 switching points according to said plurality of packets; and an outbound interface sending an accounting record containing said traffic volume. 7

- 1 32. The SSG of claim 31, wherein each of said plurality of switching points 2 comprises a time at which a tariff changes to access said service.
- 1 33. The SSG of claim 32, wherein said traffic volume comprises an aggregate count of data transferred.
- 34. The SSG of claim 32, wherein said traffic volume comprises a marginal count
   from a previous switching point, said accounting record further comprising an aggregate
   count.
  - 35. The SSG of claim 34, wherein said accounting block maintains a marginal counter and an aggregate counter to count said marginal count and said aggregate count respectively.

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- 36. The SSG of claim 34, wherein said accounting block maintains a single counter to count said aggregate count, said accounting block storing said aggregate count in a variable at each of said plurality of switching points, and computing said marginal count at a time of generating said accounting record by subtracting said variable from said aggregate counter at said time.
- 1 37. The SSG of claim 34, wherein said accounting record is sent at least once in

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- every tariff duration, wherein said tariff duration is between successive ones of said plurality of switching points.
- 38. The SSG of claim 37, wherein said plurality of switching points are specified
  for each day.
- 39. The SSG of claim 34, wherein said service is billed according to a post-paid
   model.
- 1 40. The SSG of claim 34, wherein said traffic volume is associated with a session 2 initiated by said user.

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